

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6	(sdar sadars) with (circular circularly) with (vertical vertically)	US-PGPUB; USPAT	OR	ON	2006/12/10 12:21
L24	95683	((circular circularly) same (vertical vertically))	US-PGPUB; USPAT	OR	ON	2006/12/10 12:46
L25	26	24 same (sdar sdars xm sirius)	US-PGPUB; USPAT	OR	ON	2006/12/10 12:35
L26	26	24 and 25	US-PGPUB; USPAT	OR	ON	2006/12/10 12:46
S1	2	("20040032373" "6023245").PN.	US-PGPUB; USPAT	OR	ON	2006/03/01 15:49
S2	1	("6331838").PN.	US-PGPUB; USPAT	OR	ON	2006/02/28 15:17
S3	43	zafar-\$.in.	US-PGPUB; USPAT	OR	ON	2006/12/08 16:31
S4	19	("4218685"   "4442438"   "4466003"   "4730195"   "5161255"   "5264862"   "5317327"   "5440317"   "5600341"   "5923305"   "6069588"   "6100847"   "6160512"   "6281852"   "6295033"   "6320549"   "6329954"   "6538609"   "6538611").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 15:22
S5	5	"1187253".pn.	DERWENT	OR	ON	2006/02/28 15:25
S6	1	2001-626214.NRAN.	DERWENT	OR	ON	2006/02/28 15:23
S7	3	"862239".pn.	DERWENT	OR	ON	2006/02/28 15:26
S8	1	1998-207679.NRAN.	DERWENT	OR	ON	2006/02/28 15:25
S9	1	"9631917".pn.	DERWENT	OR	ON	2006/02/28 15:27
S10	1	1996-465263.NRAN.	DERWENT	OR	ON	2006/02/28 15:26
S11	3	"133666".pn.	DERWENT	OR	ON	2006/02/28 15:27
S12	2	"200133666".pn.	DERWENT	OR	ON	2006/02/28 15:29
S13	1	2001-564866.NRAN.	DERWENT	OR	ON	2006/02/28 15:28
S14	1	"200184821".pn.	DERWENT	OR	ON	2006/02/28 15:31
S15	1	2002-303062.NRAN.	DERWENT	OR	ON	2006/02/28 15:29
S16	1	(US-20020008667-\$.did.	DERWENT	OR	ON	2006/02/28 15:30
S17	1	(US-20020008667-\$.did.	US-PGPUB; USPAT	OR	ON	2006/02/28 15:30
S18	0	"20034535".pn.	DERWENT	OR	ON	2006/02/28 15:32
S19	3	"2003034535".pn.	DERWENT	OR	ON	2006/02/28 15:32
S20	1	2003-372391.NRAN.	DERWENT	OR	ON	2006/02/28 15:32
S21	41	sdars same am same fm	US-PGPUB; USPAT	OR	ON	2006/03/01 16:15

## EAST Search History

S22	71	(satellite gps sdars) and antenna and am and fm	DERWENT	OR	ON	2006/12/01 16:41
S23	1	2004-756430.NRAN.	DERWENT	OR	ON	2006/02/28 16:11
S24	1	2004-788924.NRAN.	DERWENT	OR	ON	2006/02/28 16:12
S25	1	2004-788923.NRAN.	DERWENT	OR	ON	2006/02/28 16:12
S26	1	2004-730479.NRAN.	DERWENT	OR	ON	2006/02/28 16:13
S27	1	2004-680736.NRAN.	DERWENT	OR	ON	2006/02/28 16:13
S28	1	2003-546806.NRAN.	DERWENT	OR	ON	2006/02/28 16:15
S29	1	2003-546806.NRAN.	DERWENT	OR	ON	2006/02/28 16:15
S30	1	2003-383693.NRAN.	DERWENT	OR	ON	2006/02/28 16:16
S31	1	2003-045704.NRAN.	DERWENT	OR	ON	2006/02/28 16:17
S32	1	2002-196360.NRAN.	DERWENT	OR	ON	2006/02/28 16:19
S33	1	1998-304003.NRAN.	DERWENT	OR	ON	2006/02/28 17:31
S34	1	1998-207679.NRAN.	DERWENT	OR	ON	2006/02/28 17:32
S35	1024	343/713.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/01 15:49
S36	462	343/715.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/01 15:49
S37	1776	343/895.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/01 15:49
S38	3130	S35 S36 S37	US-PGPUB; USPAT	OR	ON	2006/03/01 15:49
S39	135762	(satellite or gps or sdars)	US-PGPUB; USPAT	OR	ON	2006/03/12 12:22
S40	45810	fm	US-PGPUB; USPAT	OR	ON	2006/03/01 15:49
S41	229375	am	US-PGPUB; USPAT	OR	ON	2006/03/01 16:14
S45	426	343/725.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/01 16:14
S46	3461	S35 S36 S37 S45	US-PGPUB; USPAT	OR	ON	2006/03/01 16:14
S47	116	S46 and S39 and S40 and S41	US-PGPUB; USPAT	OR	ON	2006/03/12 13:37
S48	41	sdars same am same fm	US-PGPUB; USPAT	OR	ON	2006/03/01 16:15
S49	101	S47 not S48	US-PGPUB; USPAT	OR	ON	2006/03/01 16:57
S50	289	455/3.02.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/01 16:58
S51	323	455/3.06.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/01 16:59

## EAST Search History

S52	391	455/90.1.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/01 16:59
S53	164	455/90.2.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/01 16:59
S54	637	455/90.3.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/01 16:59
S55	229	455/269.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/01 17:00
S56	175	455/280.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/01 17:00
S57	186	455/291.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/01 17:00
S58	170	455/293.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/01 17:00
S59	549	455/345.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/01 17:01
S60	675	455/351.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/01 17:01
S61	3464	S50 S51 S52 S53 S54 S55 S56 S57 S58 S59 S60	US-PGPUB; USPAT	OR	ON	2006/03/01 17:01
S62	3549	S39 and S40 and S41	US-PGPUB; USPAT	OR	ON	2006/03/01 17:01
S63	105	S61 and S62	US-PGPUB; USPAT	OR	ON	2006/03/01 17:01
S64	98	S63 not (S47 or S48)	US-PGPUB; USPAT	OR	ON	2006/03/01 17:02
S65	136643	(satellite or gps or sdars)	US-PGPUB; USPAT	OR	ON	2006/03/12 12:31
S66	230081	am	US-PGPUB; USPAT	OR	ON	2006/03/12 12:32
S67	46000	fm	US-PGPUB; USPAT	OR	ON	2006/03/12 12:32

## EAST Search History

S68	50	(US-20020186171-\$ or US-20040032373-\$ or US-20060022881-\$ or US-20030137463-\$ or US-20030107520-\$ or US-20020008667-\$ or US-20050107030-\$ or US-20040056811-\$ or US-20050179614-\$ or US-20030197649-\$ or US-20040263403-\$ or US-20040183737-\$ or US-20040174312-\$ or US-20040266344-\$ or US-20050280592-\$ or US-20050259016-\$).did. or (US-6023245-\$ or US-6483471-\$ or US-6806838-\$ or US-6680706-\$ or US-6917336-\$ or US-6198442-\$ or US-6331838-\$ or US-6937197-\$ or US-6714164-\$ or US-6621458-\$ or US-6999032-\$ or US-7004666-\$ or US-6950629-\$ or US-6762727-\$ or US-5918183-\$).did. or (WO-9631917-\$ or WO-200184821-\$ or EP-1286414-\$ or CA-2305860-\$ or US-20020123312-\$ or EP-862239-\$ or EP-1187253-\$ or WO-200133666-\$ or WO-9811624-\$ or US-20040201529-\$ or EP-1465352-\$ or US-5918183-\$ or WO-200103235-\$ or US-6469678-\$ or JP-2004304462-\$ or JP-2004304461-\$ or EP-747993-\$ or EP-1231672-\$ or US-6927743-\$ or WO-2003034535-\$). did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/12 12:22
S69	27	S65 and S66 and S67 and S68	US-PGPUB; USPAT	OR	ON	2006/03/12 12:22
S70	387603	(satellite or gps or sdars)	DERWENT	OR	ON	2006/03/12 12:32
S71	647113	am	DERWENT	OR	ON	2006/03/12 12:32
S72	15364	fm	DERWENT	OR	ON	2006/03/12 12:32
S73	14	S68 and S70 and S71 and S72	DERWENT	OR	ON	2006/03/12 12:55
S74	2	"5805113".pn.	DERWENT	OR	ON	2006/03/12 12:55
S75	3	"5805113".pn.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/12 12:55
S76	136643	(satellite or gps or sdars)	US-PGPUB; USPAT	OR	ON	2006/03/12 13:37
S77	46000	fm	US-PGPUB; USPAT	OR	ON	2006/03/12 13:37

## EAST Search History

S78	230081	am	US-PGPUB; USPAT	OR	ON	2006/03/12 13:37
S79	3581	S76 and S77 and S78	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 15:49
S80	686565	amp amplifier lna	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/12 17:50
S81	1788	S79 and S80	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/12 13:38
S82	51	(US-20020186171-\$ or US-20040032373-\$ or US-20060022881-\$ or US-20030137463-\$ or US-20030107520-\$ or US-20020008667-\$ or US-20050107030-\$ or US-20040056811-\$ or US-20050179614-\$ or US-20030197649-\$ or US-20040263403-\$ or US-20040183737-\$ or US-20040174312-\$ or US-20040266344-\$ or US-20050280592-\$ or US-20050259016-\$).did. or (US-6023245-\$ or US-6483471-\$ or US-6806838-\$ or US-6680706-\$ or US-6917336-\$ or US-6198442-\$ or US-6331838-\$ or US-6937197-\$ or US-6714164-\$ or US-6621458-\$ or US-6999032-\$ or US-7004666-\$ or US-6950629-\$ or US-6762727-\$ or US-5918183-\$ or US-5805113-\$).did. or (WO-9631917-\$ or WO-200184821-\$ or EP-1286414-\$ or CA-2305860-\$ or US-20020123312-\$ or EP-862239-\$ or EP-1187253-\$ or WO-200133666-\$ or WO-9811624-\$ or US-20040201529-\$ or EP-1465352-\$ or US-5918183-\$ or WO-200103235-\$ or US-6469678-\$ or JP-2004304462-\$ or JP-2004304461-\$ or EP-747993-\$ or EP-1231672-\$ or US-6927743-\$ or WO-2003034535-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/12 13:38
S83	18	S81 and S82	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/12 13:45
S84	1	(US-20040266344-\$).did.	US-PGPUB	OR	ON	2006/03/13 20:25

## EAST Search History

S85	1	S84 and (concentric concentrically)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/12 13:56
S86	1	S84 and S80	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/12 14:20
S87	1177	S76 same S77 same S78	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/12 17:51
S88	85	S87 same S80	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/12 16:32
S89	257	quadrifilar with helix	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/12 16:32
S90	35	S89 same patch	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/12 16:32
S91	1	(WO-200133666-\$).did.	DERWENT	OR	ON	2006/03/12 17:39
S92	0	(WO-200133666-\$).did. and sdar	DERWENT	OR	ON	2006/03/12 17:39
S93	0	(WO-200133666-\$).did.	US-PGPUB; USPAT	OR	ON	2006/03/12 17:39
S94	0	"200133666"	US-PGPUB; USPAT	OR	ON	2006/03/12 17:39
S95	1	2001-564866.NRAN.	DERWENT	OR	ON	2006/03/12 17:40
S96	25290	(low with noise with (amp amplifier)) Ina	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 10:55
S97	136643	(satellite or gps or sdars)	US-PGPUB; USPAT	OR	ON	2006/03/13 19:28
S98	46000	fm	US-PGPUB; USPAT	OR	ON	2006/03/12 17:51
S99	230081	am	US-PGPUB; USPAT	OR	ON	2006/03/12 17:51
S10 0	1177	S97 same S98 same S99	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 10:55
S10 1	15	S100 and S96 and sdars	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/12 17:51
S10 2	1	2003-383693.NRAN.	DERWENT	OR	ON	2006/03/13 10:54
S10 3	136643	(satellite or gps or sdars)	US-PGPUB; USPAT	OR	ON	2006/03/13 10:57

## EAST Search History

S10 4	46000	fm	US-PGPUB; USPAT	OR	ON	2006/03/13 10:55
S10 5	230081	am	US-PGPUB; USPAT	OR	ON	2006/03/13 10:55
S10 6	1177	S103 same S104 same S105	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 10:55
S10 7	25290	(low with noise with (amp amplifier)) lna	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 10:55
S10 8	8	S106 same S107	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 10:55
S10 9	20554	(satellite or gps or sdars) with antenna	US-PGPUB; USPAT	OR	ON	2006/03/13 10:57
S11 0	895	S109 same S107	US-PGPUB; USPAT	OR	ON	2006/03/13 11:25
S11 1	1527	S107 with (preferred or preferably or advantage or advantageous of improve or improvement or improved)	US-PGPUB; USPAT	OR	ON	2006/03/13 11:24
S11 2	44	S111 same S103	US-PGPUB; USPAT	OR	ON	2006/03/13 10:58
S11 3	19816	S107 with (noise)	US-PGPUB; USPAT	OR	ON	2006/03/13 11:24
S11 4	20	S110 same (noise with weak)	US-PGPUB; USPAT	OR	ON	2006/03/13 11:25

## EAST Search History

S11 5	63	(US-20040090371-\$ or US-20040056822-\$ or US-20030210200-\$ or US-20020186171-\$ or US-20040266344-\$ or US-20060022881-\$ or US-20040263403-\$ or US-20050107030-\$ or US-20020058475-\$ or US-20040032373-\$ or US-20040056811-\$ or US-20050280592-\$ or US-20050259016-\$ or US-20050179614-\$ or US-20020008667-\$ or US-20040183737-\$ or US-20040174312-\$ or US-20030197649-\$ or US-20030107520-\$ or US-20030137463-\$ or US-20020142759-\$ or US-20020030629-\$).did. or (US-6853338-\$ or US-6765542-\$ or US-6621458-\$ or US-6593897-\$ or US-6483471-\$ or US-6806838-\$ or US-6331838-\$ or US-6023245-\$ or US-6999032-\$ or US-6950629-\$ or US-7004666-\$ or US-6937197-\$ or US-6714164-\$ or US-6198442-\$ or US-6680706-\$ or US-6762727-\$ or US-5918183-\$ or US-6917336-\$ or US-5805113-\$ or US-6799201-\$ or US-6100847-\$).did. or (WO-200133666-\$ or US-20040008153-\$ or WO-9811624-\$ or EP-1187253-\$ or WO-9631917-\$ or EP-862239-\$ or WO-200184821-\$ or WO-2003034535-\$ or US-6927743-\$ or EP-1465352-\$ or US-6469678-\$ or EP-1231672-\$ or CA-2305860-\$ or JP-2004304462-\$ or JP-2004304461-\$ or US-20020123312-\$ or EP-1286414-\$ or WO-200103235-\$ or EP-747993-\$ or US-5918183-\$ or US-20040201529-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 11:27
S11 6	28	S115 and S103 and S104 and S105 and S106	US-PGPUB; USPAT	OR	ON	2006/03/13 11:31
S11 7	9	S115 and S103 and S104 and S105 and S107	US-PGPUB; USPAT	OR	ON	2006/03/13 11:31



## EAST Search History

S11 8	68	(US-20040090371-\$ or US-20040056822-\$ or US-20030210200-\$ or US-20020186171-\$ or US-20040266344-\$ or US-20060022881-\$ or US-20040263403-\$ or US-20050107030-\$ or US-20020058475-\$ or US-20040032373-\$ or US-20040056811-\$ or US-20050280592-\$ or US-20050259016-\$ or US-20050179614-\$ or US-20020008667-\$ or US-20040183737-\$ or US-20040174312-\$ or US-20030197649-\$ or US-20030107520-\$ or US-20030137463-\$ or US-20020142759-\$ or US-20020030629-\$ or US-20020183070-\$).did. or (US-6853338-\$ or US-6765542-\$ or US-6621458-\$ or US-6593897-\$ or US-6483471-\$ or US-6806838-\$ or US-6331838-\$ or US-6023245-\$ or US-6999032-\$ or US-6950629-\$ or US-7004666-\$ or US-6937197-\$ or US-6714164-\$ or US-6198442-\$ or US-6680706-\$ or US-6762727-\$ or US-5918183-\$ or US-6917336-\$ or US-5805113-\$ or US-6799201-\$ or US-6100847-\$ or US-7006790-\$ or US-5568158-\$ or US-4792987-\$ or US-4608538-\$).did. or (WO-200133666-\$ or US-20040008153-\$ or WO-9811624-\$ or EP-1187253-\$ or WO-9631917-\$ or EP-862239-\$ or WO-200184821-\$ or WO-2003034535-\$ or US-6927743-\$ or EP-1465352-\$ or US-6469678-\$ or EP-1231672-\$ or CA-2305860-\$ or JP-2004304462-\$ or JP-2004304461-\$ or US-20020123312-\$ or EP-1286414-\$ or WO-200103235-\$ or EP-747993-\$ or US-5918183-\$ or US-20040201529-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 15:59
S11 9	136643	(satellite or gps or sdars)	US-PGPUB; USPAT	OR	ON	2006/03/13 15:49
S12 0	46000	fm	US-PGPUB; USPAT	OR	ON	2006/03/13 15:49

## EAST Search History

S12 1	230081	am	US-PGPUB; USPAT	OR	ON	2006/03/13 15:49
S12 2	3581	S119 and S120 and S121	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 20:16
S12 3	9489	S120 same S121	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 15:50
S12 4	30	S118 and S123	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 15:50
S12 5	0	"862239".pn.	US-PGPUB; USPAT	OR	ON	2006/03/13 15:59
S12 6	0	ep0862239.pn.	US-PGPUB; USPAT	OR	ON	2006/03/13 16:00
S12 7	0	ep0862239.pn.	DERWENT	OR	ON	2006/03/13 16:00
S12 8	3	"862239".pn.	DERWENT	OR	ON	2006/03/13 16:00
S12 9	1	1998-207679.NRAN.	DERWENT	OR	ON	2006/03/13 16:00
S13 0	1	1998-207679.NRAN.	DERWENT	OR	ON	2006/03/13 16:00
S13 1	1	1998-207679.NRAN.	DERWENT	OR	ON	2006/03/13 16:01
S13 2	524246	(satellite or gps or sdars)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 15:54
S13 3	283956	obstruction roof	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 19:35
S13 4	1768663	angle	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 19:29
S13 5	237	S132 same S133 same S134	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 19:29
S13 6	6235612	"20"	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 19:29
S13 7	30	S135 same S136	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 19:29
S13 8	102816	obstruction	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 19:35

## EAST Search History

S13 9	267441	antenna	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 19:35
S14 0	1523	S138 same S139	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 19:35
S14 1	325601	S134 same S136	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 19:35
S14 2	153934	S134 with S136	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 19:36
S14 3	16	S140 same S141	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 19:38
S14 4	3581	S139 same S141	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 19:38
S14 5	1491	S139 same S142	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 19:38
S14 6	652	S144 same (mounting or mount or mounted)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 19:39
S14 7	252	S145 same (mounting or mount or mounted)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/13 19:39
S14 8	1	(US-20040266344-\$.did.	US-PGPUB	OR	ON	2006/03/13 20:25
S14 9	1	S148 and head	US-PGPUB	OR	ON	2006/03/14 19:21
S15 0	28843	(satellite or gps or sdars) with antenna	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 15:59
S15 1	95	S150 same fender	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 15:59
S15 2	149	antenna same fender same (mount or mounted or mounting)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 17:28
S15 3	524398	(satellite or gps or sdars)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 16:02
S15 4	32	S152 and S153	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 17:15

## EAST Search History

S15 5	3798	monopole with antenna	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 16:01
S15 6	10641	am with fm	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 16:01
S15 7	151	S155 and S156	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 16:02
S15 8	21	S155 same S156	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 16:02
S15 9	275	( sdars)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 16:03
S16 0	48	S156 same S159	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 16:03
S16 1	449911	( sdars) or (satellite audio)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 16:03
S16 2	6994	( sdars) or (satellite with audio)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 16:04
S16 3	284	S156 same S162	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 16:04
S16 4	58	S163 same antenna	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 16:04
S16 5	352	antenna same fender	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 16:15
S16 6	131	S150 and S165	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 16:15
S16 7	36	S166 not S151	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 16:20
S16 8	1839	retractable with (fold or folded or folding)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 16:20
S16 9	41	S168 same antenna	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 16:21

## EAST Search History

S17 0	29	terk-n\$.in.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 17:25
S17 1	1	(US-20030107520-\$).did.	US-PGPUB	OR	ON	2006/03/14 17:25
S17 2	0	S171 and am and fm and fender	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 17:40
S17 3	352	antenna same fender	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 17:28
S17 4	131	S173 and S150	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 17:28
S17 5	0	S171 and fender	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 17:40
S17 6	1	2002-196360.NRAN.	DERWENT	OR	ON	2006/03/14 17:50
S17 7	1	(CA-2305860-\$).did.	DERWENT	OR	ON	2006/03/14 18:00
S17 8	1	2002-196360.NRAN.	DERWENT	OR	ON	2006/03/14 17:51
S17 9	28	kielland-p\$.in.	DERWENT	OR	ON	2006/03/14 18:01
S18 0	5	kielland-p\$.in.	US-PGPUB; USPAT	OR	ON	2006/03/14 18:00
S18 1	1	(US-20040266344-\$).did.	US-PGPUB	OR	ON	2006/03/14 19:21
S18 2	1	S181 and head	US-PGPUB	OR	ON	2006/03/14 20:16
S18 3	136795	(satellite or gps or sdars)	US-PGPUB; USPAT	OR	ON	2006/03/14 20:16
S18 4	46018	fm	US-PGPUB; USPAT	OR	ON	2006/03/14 20:16
S18 5	230233	am	US-PGPUB; USPAT	OR	ON	2006/03/14 20:16
S18 6	3584	S183 and S184 and S185	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/14 20:16
S18 7	446	S186 and head	US-PGPUB	OR	ON	2006/03/14 20:16
S18 8	214	(sdars)	US-PGPUB; USPAT	OR	ON	2006/03/14 20:16

## EAST Search History

S18 9	5269	satellite with audio	US-PGPUB; USPAT	OR	ON	2006/03/14 20:22
S19 0	5317	S188 S189	US-PGPUB; USPAT	OR	ON	2006/03/14 20:17
S19 1	251	S184 same S185 same S190	US-PGPUB; USPAT	OR	ON	2006/03/14 20:17
S19 2	40	S191 and head	US-PGPUB; USPAT	OR	ON	2006/03/19 17:02
S19 3	14501	satellite near5 (audio or radio)	US-PGPUB; USPAT	OR	ON	2006/03/14 20:22
S19 4	307	S184 with S185 with S193	US-PGPUB; USPAT	OR	ON	2006/03/14 20:22
S19 5	818136	(car or auto or vehicle)	US-PGPUB; USPAT	OR	ON	2006/03/14 20:23
S19 6	179	S194 and S195	US-PGPUB; USPAT	OR	ON	2006/03/14 20:23
S19 7	11471	sdars or (satellite near4 radio)	US-PGPUB; USPAT	OR	ON	2006/03/19 15:54
S19 8	446	S197 same home	US-PGPUB; USPAT	OR	ON	2006/03/19 15:54
S19 9	2596	sdars or (satellite adj radio)	US-PGPUB; USPAT	OR	ON	2006/03/19 15:54
S20 0	114	S199 same home	US-PGPUB; USPAT	OR	ON	2006/03/19 15:55
S20 1	40	S200 and am and fm	US-PGPUB; USPAT	OR	ON	2006/03/19 16:12
S20 2	6292	loop near3 antenna	US-PGPUB; USPAT	OR	ON	2006/03/19 16:12
S20 3	104063	satellite	US-PGPUB; USPAT	OR	ON	2006/03/19 16:12
S20 4	698	S202 and S203	US-PGPUB; USPAT	OR	ON	2006/03/19 16:12
S20 5	131	S202 same S203	US-PGPUB; USPAT	OR	ON	2006/03/19 16:12
S20 6	38	S204 and (null same (center))	US-PGPUB; USPAT	OR	ON	2006/03/19 16:15
S20 7	6778	helix same (loop)	US-PGPUB; USPAT	OR	ON	2006/03/19 16:16
S20 8	22	(quadrifilar adj helix) same (antenna near4 loop)	US-PGPUB; USPAT	OR	ON	2006/03/19 16:20
S20 9	4	(quadrifilar adj helix) same (coupled near4 loop)	US-PGPUB; USPAT	OR	ON	2006/03/19 16:33
S21 0	1	"6538612".pn.	US-PGPUB; USPAT	OR	ON	2006/03/19 16:34

## EAST Search History

S21 1	35669	satellite with (radio or audio or receiver or head)	US-PGPUB; USPAT	OR	ON	2006/03/19 17:02
S21 2	8644	am with fm	US-PGPUB; USPAT	OR	ON	2006/03/19 17:02
S21 3	615	S211 same S212	US-PGPUB; USPAT	OR	ON	2006/03/19 17:02
S21 4	26	S213 same head	US-PGPUB; USPAT	OR	ON	2006/03/19 17:55
S21 5	1	"6714164".pn.	US-PGPUB; USPAT	OR	ON	2006/03/19 17:55
S21 6	1	S215 and retractable	US-PGPUB; USPAT	OR	ON	2006/03/19 17:57
S21 7	1	S215 and (retractable retract or retracted)	US-PGPUB; USPAT	OR	ON	2006/03/19 19:34
S21 8	1	"6806838".pn.	US-PGPUB; USPAT	OR	ON	2006/03/19 19:34
S21 9	1	S218 and uppermost	US-PGPUB; USPAT	OR	ON	2006/03/19 19:37
S22 0	0	S218 and lower	US-PGPUB; USPAT	OR	ON	2006/03/19 19:44
S22 1	1	S218 and retractable	US-PGPUB; USPAT	OR	ON	2006/03/19 19:44
S22 2	12	gps with sdars with antenna	DERWENT	OR	ON	2006/12/08 17:35
S22 3	61	gps with sdars with antenna	US-PGPUB; USPAT	OR	ON	2006/12/07 10:11
S22 4	62	gps with sdars with antenna	US-PGPUB; USPAT	OR	ON	2006/12/07 10:11
S22 5	40	S224 and (circular circularly vertical vertically)	US-PGPUB; USPAT	OR	ON	2006/12/08 16:19
S22 6	7	(helix with antenna) with (circular circularly) with (vertical vertically)	US-PGPUB; USPAT	OR	ON	2006/12/10 12:21
S22 7	20	(helix with antenna) same ((circular circularly) with (vertical vertically))	US-PGPUB; USPAT	OR	ON	2006/12/08 16:38
S22 8	13	S227 not S226	US-PGPUB; USPAT	OR	ON	2006/12/08 16:22
S22 9	177	(helix with antenna) and ((circular circularly) same (vertical vertically))	US-PGPUB; USPAT	OR	ON	2006/12/08 16:58
S23 0	2414	gps same (sdar sdars (satellite near3 radio))	US-PGPUB; USPAT	OR	ON	2006/12/08 17:35
S23 1	3	S229 and S230	US-PGPUB; USPAT	OR	ON	2006/12/08 16:28
S23 2	2	(helix with antenna) same S230	US-PGPUB; USPAT	OR	ON	2006/12/08 16:57

## EAST Search History

S23 3	53	zafar-\$.in.	US-PGPUB; USPAT	OR	ON	2006/12/08 16:31
S23 4	43	(US-20050280105-\$ or US-20050250318-\$ or US-20050157858-\$ or US-20050117729-\$ or US-20050107030-\$ or US-20050105510-\$ or US-20050104142-\$ or US-20050059259-\$ or US-20050053220-\$ or US-20050053206-\$ or US-20050026459-\$ or US-20050026453-\$ or US-20040266344-\$ or US-20040263403-\$ or US-20040092073-\$ or US-20040076272-\$ or US-20040056811-\$ or US-20040032373-\$ or US-20030052458-\$ or US-20020098994-\$).did. or (US-6999032-\$ or US-6982230-\$ or US-6974779-\$ or US-6905124-\$ or US-6806838-\$ or US-6413819-\$ or US-6307516-\$ or US-6297095-\$ or US-6259384-\$ or US-6258620-\$ or US-6201485-\$ or US-6177391-\$ or US-5790079-\$ or US-5750419-\$ or US-5610619-\$ or US-5495292-\$ or US-5477272-\$ or US-5230096-\$ or US-5127837-\$ or US-4992053-\$ or US-4575976-\$ or US-4310490-\$ or US-4250157-\$).did.	US-PGPUB; USPAT	OR	ON	2006/12/08 16:32
S23 5	10	S233 not S234	US-PGPUB; USPAT	OR	ON	2006/12/08 16:32
S23 6	1	(US-20030174095-\$).did.	US-PGPUB	OR	ON	2006/12/08 16:42
S23 7	1	S236 and patch	US-PGPUB	OR	ON	2006/12/08 16:42
S23 8	3689	(QHA ((helical helix) with antenna))	US-PGPUB; USPAT	OR	ON	2006/12/08 16:58
S23 9	95683	((circular circularly) same (vertical vertically))	US-PGPUB; USPAT	OR	ON	2006/12/10 12:34
S24 0	5	S230 and S238 and S239	US-PGPUB; USPAT	OR	ON	2006/12/08 16:58
S24 1	0	S238 and S230	DERWENT	OR	ON	2006/12/08 17:35
S24 2	11405	(sdar sdars (satellite near3 radio))	US-PGPUB; USPAT	OR	ON	2006/12/08 17:35



## EAST Search History

S24 3	62579	gps	US-PGPUB; USPAT	OR	ON	2006/12/08 17:35
S24 4	152	S238 and S242 and S243	US-PGPUB; USPAT	OR	ON	2006/12/08 17:36
S24 5	112	S238 and (S242 same S243)	US-PGPUB; USPAT	OR	ON	2006/12/08 17:36
S24 6	16	S238 same (S242 same S243)	US-PGPUB; USPAT	OR	ON	2006/12/08 17:36